IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

MICHAEL E. KOUNAVIS, ET AL.

Application No.: Not Assigned

Filed: October 20, 2003

For: **METHOD AND APPARATUS FOR TWO-STAGE PACKET CLASSIFICATION USING MOST SPECIFIC FILTER MATCHING AND TRANSPORT LEVEL SHARING**

Art Group: Not Assigned

Examiner: Not Assigned

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of Information Disclosure Statement by Applicant (form PTO/SB/08), which is being submitted concurrently with the Utility Application. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s). Copies of the references cited on PTO/SB/08 are enclosed herewith.

42P16527

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Date: October 20, 2003

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Substitute for form 1449A/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(use as many sheets as necessary)*			Application Number	Not Assigned
			Filing Date	October 20, 2003
			First Named Inventor	Michael E. Kounavis
			Art Unit	Not Assigned
			Examiner Name	Not Assigned
Sheet	1	**of** 3	Attorney Docket Number	42P16527

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number — Number - Kind Code[2] *(if known)*	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-6,147,976	11-14-2000	Shand, et al.	
	2	US-6,252,872 B1	06-26-2001	Tzeng	
	3	US-6,289,013 B1	09-11-2001	Lakshman, et al.	
	4	US-6,301,669 B2	10-09-2001	Boden, et al.	
	5	US-6,341,130 B1	01-22-2002	Lakshman, et al.	
	6	US-2002/0165949 A1	11-07-2002	Na, et al.	
	7	US-2002/0191605 A1	12-19-2002	Lunteren, et al.	
	8	US-6,529,508 B1	03-04-2003	Li, et al.	
	9	US-6,567,408 B1	05-20-2003	Li, et al.	
	10	US-6,587,466 B1	07-01-2003	Bhattacharya, et al.	
	11	US-2003/0051165 A1	03-13-2003	Krishnan, et al.	
	12	US-2003/0074458 A1	04-17-2003	Gokhale	
	13	US-2003/0123386 A1	07-03-2003	Yang	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document — Country Code[3]- Number[4] - Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

Examiner Signature		Date Considered	

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

[1]Applicant's unique citation designation number (optional). [2]See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3]Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4]For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. [5]Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6]Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wlr) 08/11/2003.

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				Art Unit	Not Assigned
				Examiner Name	Not Assigned
Sheet	2	**of**	3	Attorney Docket Number	42P16527

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	14	M.E. KOUNAVIS, ET AL., "DIRECTIONS IN PACKET CLASSIFICATION FOR NETWORK PROCESSORS", Second Workshop on Network Processors(NP2), Anahein, CA, February, 2003, Pgs. 1-10.	
	15	P.F.TSUCHIYA, "A SEARCH ALGORITHM FOR TABLE ENTRIES WITH NON-CONTIGUOUS WILDCARDING", Bellcore, 1991, Pgs. 1-10.	
	16	DEGERMARK, ET AL., "SMALL FORWARDING TABLES FOR FAST ROUTING LOOKUPS", Computer Communication Review, acm sigcomm, Volume 27, No. 4, October 1997, 16 Pgs.	
	17	SHAFAI, ET AL., "FULLY PARALLEL 30-MHz, 2.5-Mb CAM", IEEE Journal of Solid-State Circuits, Vol. 33, No.11, November 1998, 9 Pgs.	
	18	SRINIVASAN, ET AL., "FAST AND SCALABLE LAYER FOUR SWITCHING", Computer Communication Review, acm sigcomm, Vol. 28, No.4, October 1998, 14 Pgs.	
	19	LAKSHMAN, ET AL., "HIGH-SPEED POLICY-BASED PACKET FORWARDING USING EFFICIENT MULTI-DIMENSIONAL RANGE MATCHING", Computer Communicaiton Review, acm sigcomm, Vol.28, No.4, October 1998, 14 Pgs.	
	20	BUDDHIKOT, ET AL., "SPACE DECOMPOSITION TECHNIQUES FOR FAST LAYER-4 SWITCHING", IEEE ComSoc TC on Gigabit Networking Sixth International Workshop on Protocals for High-Speed Networks (PfHSN 99), 1999, 12 Pgs.	
	21	GUPTA, ET AL., "PACKET CLASSIFICATION ON MULTIPLE FIELDS", Computer Communication Review, acm sigcomm, Vol.29, No.4, October 1999, 16 Pgs.	
	22	SRINIVASAN, ET AL., "PACKET CLASSIFICATION USING TUPLE SPACE SEARCH", Computer Communication Review, acm sigcomm, Vol.29, No.4, October 1999, 14 Pgs.	
	23	GUPTA, ET AL., "CLASSIFYING PACKETS WITH HIERARCHICAL INTELLIGENT CUTTINGS", IEEE Micro Chips, Systems, Software, and Applications, Jan/Feb. 2000, 10 Pgs.	
	24	HARI, ET AL., "DETECTING AND RESOLVING PACKET FILTER CONFLICTS", IEEE Infocom 2000, The Conference on Computer Communications, Vol. 3, 12 Pgs.	
	25	FELDMANN, ET AL., "TRADEOFFS FOR PACKET CLASSIFICATION", IEEE Infocom 2000, The Conference on Computer Communications, Vol. 3, 12 Pgs.	

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STATEMENT BY APPLICANT

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	26	BABOESCU, ET AL., "SCALABLE PACKET CLASSIFICATION", Computer Communication Review, acm sigcomm, Vol. 31, No. 4, October 2001, 14 Pgs.	
	27	PRAKASH, ET AL., "OC-3072 PACKET CLASSIFICATION USING BDDs AND PIPELINED SRAMs", HOT Interconnects 9,	
		Symposium on High Performance Interconnects, IEEE Computer Society, 2001, 8 Pgs.	
	28	GUPTA, ET AL., "ALGORITHMS FOR PACKET CLASSIFICATION", IEEE Network, The Magazine of Global Internetworking, March/April 2001, Vol. 15, No. 2, 11 Pgs.	
	29	BABOESCU, ET AL., "PACKET CLASSIFICATION FOR CORE ROUTERS: IS THERE AN ALTERNATIVE TO CAMs?", IEEE Infocom 2003, 11 Pgs.	

Examiner Signature		Date Considered	